EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6082	(virtual adj device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:40
L2	6082	(virtual adj device$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:40
L3	12430	(do.in. or jonvik.in.) or telenor.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:41
L4	15	2 and 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:41
L5	990	1 and (455/41.2,414.1,552.1,553.3,418,419,420,556.2,557.ccls. or 370/338,351,352.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:44

L6	250	(WPAN "personal area network") and profile$1 and middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:45
L7	4	5 and 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:45
L8	232	(virtual adj device) and middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:45
L9	49	8 and (455/41.2,414.1,552.1,553.3,418,419,420,556.2,557.ccls. or 370/338,351,352.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:46
L10	2	(virtual adj device) same (WPAN "personal area network") and profile$1 and middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:47
L11	1	(WPAN "personal area network") same profile$1 same middleware same (re$1direct$3 rout$3 forward$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:48

L12	1	(middleware and (WPAN "personal area network") and profile$1 and (re $1direct$3 rout$3 forward$3)).clm. and (455/41.2,414.1,552.1,553.3,418,419,420,556.2,557.ccls. or 370/338,351,352.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 22:51
L13	4	(WPAN "personal area network") same middleware same (rout$3 forward $3 re$1direct$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:27
L14	49	(WPAN "personal area network") same middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:28
L15	552	(WPAN "personal area network") same (printer$1 fax fascimile head $1phone$1) same (PDA ((wireless mobile subscriber cellular) near (terminal device station)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:31
L16	149	15 and (455/41.2,414.1,552.1,553.3,418,419,420,556.2,557.ccls. or 370/338,351,352.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:32
L17	15	("20010051530" | "20020061031" | "20020062385" | "20020067696" | "20020136184" | "20020167931" | "20020191677" | "20030026198" | "6326926" | "6590928" | "6628927" | "6697415").PN. OR ("7116938"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/13 23:32
L18	5	("20040023665" | "20040198404" | "20040223469" | "20050157674"). PN. OR ("7330696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/13 23:34
L19	8	("20020065101" | "20030227644" | "20040185882" | "20040190042" | "20040203662" | "20060072156" | "6285889" | "6493104").PN. OR ("7680494").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/13 23:34

L20	49	"5041918" | "5175762" | "5732074" | "5809415" | "5848413" | "5867661" | "6055441".PN. OR "6285889".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/13 23:35
L21	0	(WPAN "personal area network") same middleware same master same slave$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:36
L22	38	middleware same master same slave$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:36
L23	20	do.in. and telenor.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:45
L24	2	"7660881".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:45
L25	9	("20020013827" | "20020085696" | "20020127995" | "20020154755" | "20030017841" | "20030058884" | "6282575" | "6615276" | "6718380").PN. OR "7660881".URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/13 23:46
L26	543	(WPAN "personal area network") and middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:46

L27	121	26 and (455/41.2,414.1,552.1,553.3,418,419,420,556.2,557.ccls. or 370/338,351,352.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/13 23:46
L28	50	("20020176366" | "5822309" | "6104712" | "6134587" | "6304556" | "6411815" | "6459894" | "6532368" | "6587835" | "6611259" | "6614350").PN. OR ("6842460").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/13 23:47
L29	23	("20020039367" | "20020178215" | "20030037033" | "20030078062" | "20030228842").PN. OR ("6909721").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/13 23:53
S1	2	("personal area network" "802.15" "WPAN" "PAN") same middleware same closed same open same (device equipment station$1 phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 11:37
S2	12	("personal area network" "802.15" "WPAN" "PAN") with middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 11:38
S3	103	("20010047424" | "20020010008" | "20020010683" | "20020037700" | "20020055333" | "20020058502" | "20020063472" | "20020065099" | "20020065817" | "20020068559" | "20020068600" | "20020069037" | "20020082054" | "20020086718" | "20020091633" | "20020102974" | "20020118663" | "20020128051" | "20020132610" | "20020142762" | "20020143952" | "20020155830" | "20020160764" | "20030013438" | "20030017810" | "20030022699" | "20030027563" | "20030032417" | "20030050058" | "20030054765" | "20030060188" | "20030060189" | "20030078036" | "20030091917" | "20030114105" | "20030115351" | "20030122856" | "20030143992" | "20030153280" | "20030187807" | "20030214940" | "20030224773" | "20030232616" | "20040001467" | "20040048671" | "20040066769" | "20040192384" | "20040196812" | "5442680" | "5457737" | "5572528" | "5742237" | "5771438" | "5774791" | "5793763" | "5805166" | "5838252" | "5896369" | "5929848" | "5978386" | "5987011" | "5987033" | "6064734" | "6067291" | "6069896" | "6078789" | "6085098" | "6130602" | "6151628" | "6192257" | "6198948" | "6218958" | "6223029" | "6243581" | "6265788" | "6282183" | "6298443" | "6326926" |	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 11:45

		"6333973" | "6343276" | "6405027" | "6430408" | "6434537" | "6446127" | "6452910" | "6459882" | "6463078" | "6487180" | "6519460" | "6532366" | "6600428" | "6600734" | "6630925" | "6633759" | "6636489" | "6654616" | "6665549" | "6690929" | "6763012" | "6763247" | "6871063").PN. OR ("7039033").URPN.				
S4	3	("personal area network" "802.15" "WPAN" "PAN") same middleware and 370/338.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 11:52
S5	2	S4 not S1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 11:53
S6	62	("personal area network" "802.15" "WPAN" "PAN" pico$1net) same middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 11:53
S7	77	("20020123329" | "20020039367" | "20020044549" | "20020073204" | "20020120750" | "20020123360" | "20020124046" | "20020129170" | "20020152299" | "20020160758" | "20020160793" | "20020178215" | "20020188657" | "20030013483" | "20030037033" | "20030041141" | "20030054806" | "20030061364" | "20030069016" | "20030078062" | "20030079003" | "20030110218" | "20030115415" | "20030131059" | "20030207683" | "20030208522" | "20030228842" | "20040002385" | "20040009750" | "20040015403" | "20040030743" | "20040043770" | "20040063498" | "20040063980" | "20040064568" | "20040075675" | "20040087274" | "20040114557" | "20040171378" | "20040224706" | "20040225712" | "20050058109" | "20050059376" | "20050059379" | "20050088980" | "20050114756" | "20050185660" | "20050193106" | "20050208892" | "20050239494" | "20060058011" | "20060199533" | "20060258338" | "20060268896" | "5251251" | "5736940" | "5819039" | "6112103" | "6198941" | "6219969" | "6532368" | "6557054" | "6591266" | "6601093" | "6631269" | "6633757" | "6657713" | "6721787" | "6738766" | "6757713" | "6757715" | "6765474" | "6892230" | "6909721" | "6981210" | "7028032" | "7158176").PN. OR ("7313120").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 11:58

S8	12	("20020039367" | "20020178215" | "20030037033" | "20030078062" | "20030228842").PN. OR ("6909721").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 12:03
S9	1	("personal area network" "802.15" "WPAN" "PAN") same middleware same (micro$1phone ear$1piece ear$1phone speaker) same (fridge refrigerator appliance$1 device) same (((wireless mobile portable cellular RF hand$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station) or radio$1phone or radio$1telephone or cell$1phone or (terminal adj (unit equipment)) or telephone or hand$2phone or hand$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" WTRU)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 12:06
S10	19	("personal area network" "802.15" "WPAN" "PAN") and middleware and (micro$1phone ear$1piece ear$1phone speaker) and (fridge refrigerator appliance$1 device) and (((wireless mobile portable cellular RF hand$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio$1phone or radio$1telephone or cell$1phone or (terminal adj (unit equipment)) or telephone or hand$2phone or hand$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" WTRU) and (455/41.2.ccls. or 370/254,338,401,335,342.ccls. or 709/217-221,227-232.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 12:11
S11	45	(blue$1tooth pico$1net) same middleware same (micro$1phone ear$1piece ear$1phone speaker fridge "TV" television alarm refridgerator appliance$1 device) same (((wireless mobile portable cellular RF hand$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio$1phone or radio$1telephone or cell$1phone or (terminal adj (unit equipment)) or telephone or hand$2phone or hand$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" WTRU)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 12:43
S12	43	S11 not (S9 S2 S1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 12:43
S13	1	(MANET ad$1hoc blue$1tooth "PAN" "personal area network" "personal area networks" WPAN Irda infra$1red "802.15" pico$1net scatter$1net) same (master PDA "personal digital assistant" (open adj device$1)) same slave$1 same middleware same (register$3 registration) same discover$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 13:44

S14	12	(MANET ad$1hoc blue$1tooth "PAN" "personal area network" "personal area networks" WPAN Irda infra$1red "802.15" pico$1net scatter$1net) same (master PDA "personal digital assistant" (open adj device$1)) same slave$1 same (register$3 registration) same discover$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 13:49
S15	291	(MANET ad$1hoc blue$1tooth "PAN" "personal area network" "personal area networks" WPAN Irda infra$1red "802.15" pico$1net scatter$1net) same (register$3 registration) same discover$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 13:52
S16	201	S15 and ("455"/$.ccls. or "370"/$.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 13:54
S17	121	S16 and (@ad<"20030429" or @rlad<"20030429")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 13:55
S18	90	S17 not gallagher.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 13:56
S19	28	("20020028671" | "20020035605" | "5043736" | "5295180" | "5568153" | "5740541" | "5825759" | "5826195" | "5850609" | "5991639" | "6101178" | "6131037" | "6138009" | "6240069" | "6268802" | "6326926" | "6493550" | "6529722" | "6629151" | "6631271" | "6640098").PN. OR ("6888811").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 14:07
S20	147	blue$1tooth same middleware	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 14:09
S21	0	blue$1tooth same middleware same registration same discover$1	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 14:09

S22	3	blue$1tooth same middleware same registration and discover$1	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 14:09
S23	27	blue$1tooth same middleware and registration and discover$1	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 14:10
S24	40	blue$1tooth same middleware and (455/418,419,420,425,550.1,41.2. ccls. or 370/254,338,400,401,335,342.ccls. or 709/201-203,208,209,217-221,227-232.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 14:20
S25	13	("20020052960" | "20020083331" | "20020169886" | "20030198349" | "20040014475" | "20050240665" | "6457061" | "6542510" | "6658474" | "6801507" | "6904466" | "6947398").PN. OR ("7136928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/20 14:26
S26	42	blue$1tooth same middleware and (455/418,419,420,425,550.1,41.2. ccls. or 370/254,338,400,401,335,342.ccls. or 709/201-205,208,209,217-221,227-232.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 14:27
S27	2	S26 not S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 14:28
S28	1	("wireless personal area network" "personal area network" "personal area network" "personal area networks" "personal area networking") same middleware same (micro$1phone printer$1 scanner$1 copier$1 ear $1piece ear$1phone speaker fridge refridgerator appliance$1 device) same (((wireless mobile portable cellular RF hand$1held hand) adj phone telephone device equipment apparatus user unit subscriber radio terminal station) or radio$1phone or radio$1telephone or cell$1phone or (terminal adj (unit equipment)) or telephone or hand$2phone or hand $1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" WTRU)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:17

S29	3237	("wireless personal area network" "personal area network" "personal area network" "personal area networks" "personal area networking") same (micro$1phone printer$1 scanner$1 copier$1 ear$1piece ear$1phone speaker fridge refridgerator appliance$1 device) same (((wireless mobile portable cellular RF hand$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio $1phone or radio$1telephone or cell$1phone or (terminal adj (unit equipment)) or telephone or hand$2phone or hand$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" WTRU)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:18
S30	571	("wireless personal area network" "personal area network" "personal area network" "personal area networks" "personal area networking") same (micro$1phone printer$1 scanner$1 copier$1 ear$1piece ear$1phone speaker fridge refridgerator appliance$1) same (((wireless mobile portable cellular RF hand$1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio $1phone or radio$1telephone or cell$1phone or (terminal adj (unit equipment)) or telephone or hand$2phone or hand$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" WTRU)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:18
S31	173	S30 and (@ad<"20030429" or @rlad<"20030429")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:19
S32	173	S31 not S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:19
S33	4	S32 and middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:20

S34	2	"7349695".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:33
S35	2	"20060104211".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/20 15:35
S36	45	(blue$1tooth pico$1net) same middleware same (micro$1phone ear $1piece ear$1phone speaker fridge "TV" television alarm refridgerator appliance$1 device) same (((wireless mobile portable cellular RF hand $1held hand) adj (phone telephone device equipment apparatus user unit subscriber radio terminal station)) or radio$1phone or radio$1telephone or cell$1phone or (terminal adj (unit equipment)) or telephone or hand $2phone or hand$1set or (subscriber adj unit) or (user adj equipment) PDA "personal digital assistant" WTRU)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 08:29
S37	1	"20020169886".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/21 08:39
S38	2	"7039033".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 16:43
S39	2	"6909721".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/21 17:37
S40	1	("PAN" "personal area network" "personal area networks" WPAN "802.15") with middleware same (re$1direct$3 forward$3 rout$3) same ((user adj profile) visible global) and ("455"/$.ccls. or "370"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 10:37

S41	10	(virtual adj (device$1 terminal$1)) same ("PAN" "personal area network" "personal area networks" WPAN "802.15")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 10:55
S42	15	("20020031103" | "20020058504" | "20030008647" | "5377267" | "5852651" | "6134437" | "6201499" | "6339698" | "6400962" | "6430397" | "6473607" | "6496493" | "6549524" | "6584318" | "6744753").PN. OR "7346369").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/04 10:58
S43	134	"device management service"	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/04 11:03
S44	86	S43 and ("455"/$.ccls. or "370"/$.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/04 11:04
S45	6240	(virtual adj (device$1 terminal$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:08
S46	982	S45 and (455/552.1,553.1,556.1,556.2,557,41.2,41.3,3.06.ccls. or 370/328,338,352,431.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:09
S47	40	S46 and middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:14
S48	39	S47 not S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:14

S49	10	(virtual adj (device$1 terminal$1)) same ("PAN" "personal area network" "personal area networks" WPAN "802.15")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:52
S50	7	("PAN" "personal area network" "personal area networks" WPAN "802.15") near3 middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:57
S51	10	("PAN" "personal area network" "personal area networks" WPAN "802.15") near5 middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:57
S52	3	S51 not S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 11:57
S53	2	"7321382"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:02
S54	68074	(manag$5 (device$1 terminal$1)) same ("PAN" "personal area network" "personal area networks" WPAN "802.15")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:22

S55	197	(manag$5 near2 (device$1 terminal$1)) same ("PAN" "personal area network" "personal area networks" WPAN "802.15")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:23
S56	121	(manag$5 near (device$1 terminal$1)) same ("PAN" "personal area network" "personal area networks" WPAN "802.15")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:23
S57	28	S56 and (455/552.1,553.1,556.1,556.2,557,41.2,41.3,3.06.ccls. or 370/328,338,352,431.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:23
S58	12	("PAN" "personal area network" "personal area networks" WPAN "802.15") same ((open closed) adj (terminal$1 device$1)) same (re $1direct$3 forward$3 rout$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:39
S59	156	("PAN" "personal area network" "personal area networks" WPAN "802.15") same (PDA "personal digital assistant" laptop PC "personal computer") same (printer$1 fascimile$1 fax camera camcorder) same (earphone display speaker) same (re$1direct$3 forward$3 rout$3 ((mobile cell) (telephone$1 phone)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:45
S60	51	("PAN" "personal area network" "personal area networks" WPAN "802.15") same (PDA "personal digital assistant" laptop PC "personal computer") same (printer$1 fascimile$1 fax camera camcorder ((mobile cell) adj (telephone$1 phone))) same (earphone display speaker) same (re$1direct$3 forward$3 rout$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 12:47

S61	0	(virtual adj (device$1 terminal$1)) with re$1direct43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 13:10
S62	0	(virtual adj (device$1 terminal$1)) same re$1direct43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 13:10
S63	78	(virtual adj (device$1 terminal$1)) with re$1direct$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 13:11
S64	1	(distribut$3 near2 (manag$5 radio terminal$1 device$1)) with ("PAN" "personal area network" "personal area networks" WPAN "802.15") same middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 13:15
S65	171	(distribut$3 near2 (manag$5 radio terminal$1 device$1)) with ("PAN" "personal area network" "personal area networks" WPAN "802.15")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 13:20
S66	5	("PAN" "personal area network" "personal area networks" WPAN "802.15") near5 middleware same (rout$3 re$1direct$3 re$1distribut$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 13:39

S67	7	("PAN" "personal area network" "personal area networks" WPAN "802.15") near3 middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 13:41
S68	2	"7327250".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/04 17:15
S69	2	"20030026213".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 10:41
S70	15	(PAN "personal area network" WPAN) with middleware	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 10:56
S71	104	("20010047424" | "20020010008" | "20020010683" | "20020037700" | "20020055333" | "20020058502" | "20020063472" | "20020065099" | "20020065817" | "20020068559" | "20020068600" | "20020069037" | "20020082054" | "20020086718" | "20020091633" | "20020102974" | "20020118663" | "20020128051" | "20020132610" | "20020142762" | "20020143952" | "20020155830" | "20020160764" | "20030013438" | "20030017810" | "20030022699" | "20030027563" | "20030032417" | "20030050058" | "20030054765" | "20030060188" | "20030060189" | "20030078036" | "20030091917" | "20030114105" | "20030115351" | "20030122856" | "20030143992" | "20030153280" | "20030187807" | "20030214940" | "20030224773" | "20030232616" | "20040001467" | "20040048671" | "20040066769" | "20040192384" | "20040196812" | "5442680" | "5457737" | "5572528" | "5742237" | "5771438" | "5774791" | "5793763" | "5805166" | "5838252" | "5896369" | "5929848" | "5978386" | "5987011" | "5987033" | "6064734" | "6067291" | "6069896" | "6078789" | "6085098" | "6130602" | "6151628" | "6192257" | "6198948" | "6218958" | "6223029" |	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 11:23

		"6243581" | "6265788" | "6282183" | "6298443" | "6326926" | "6333973" | "6343276" | "6405027" | "6430408" | "6434537" | "6446127" | "6452910" | "6459882" | "6463078" | "6487180" | "6519460" | "6532366" | "6600428" | "6600734" | "6630925" | "6633759" | "6636489" | "6654616" | "6665549" | "6690929" | "6763012" | "6763247" | "6871063").PN. OR ("7039033").URPN.				
S72	48	PAN "personal area network" WPAN) and 455/420.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 11:27
S73	48	S72 not S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 11:27
S74	7	(PAN "personal area network" WPAN) with internet with (rout$3 forward $3) and (455/418,419,420,41.2,41.3,552.1,553.1,556.2,557.ccls. or 370/320,338,351.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 11:34
S75	5	(PAN "personal area network" WPAN) with (middleware API "application programming interface") and (455/41.2,41.3,420.ccls. or 370/338.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 12:02
S76	1	(PAN "personal area network" WPAN) same (middleware API "application programming interface") same master same slave$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 17:18

S77	1086	(PAN "personal area network" WPAN) same (middleware API "application programming interface")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 17:18
S78	8	(PAN "personal area network" WPAN) same (middleware API "application programming interface") and (455/420,41.2,41.3.ccls. or 370/338.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 17:19
S79	38	(PAN "personal area network" WPAN) near3 (middleware software API "application programming interface") and (455/418,419,420,41.2,41.3,552.1,553.1,556.2,557.ccls. or 370/320,338,351.ccls. or "709"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 18:19
S80	104	("20010047424" | "20020010008" | "20020010683" | "20020037700" | "20020055333" | "20020058502" | "20020063472" | "20020065099" | "20020065817" | "20020068559" | "20020068600" | "20020069037" | "20020082054" | "20020086718" | "20020091633" | "20020102974" | "20020118663" | "20020128051" | "20020132610" | "20020142762" | "20020143952" | "20020155830" | "20020160764" | "20030013438" | "20030017810" | "20030022699" | "20030027563" | "20030032417" | "20030050058" | "20030054765" | "20030060188" | "20030060189" | "20030078036" | "20030091917" | "20030114105" | "20030115351" | "20030122856" | "20030143992" | "20030153280" | "20030187807" | "20030214940" | "20030224773" | "20030232616" | "20040001467" | "20040048671" | "20040066769" | "20040192384" | "20040196812" | "5442680" | "5457737" | "5572528" | "5742237" | "5771438" | "5774791" | "5793763" | "5805166" | "5838252" | "5896369" | "5929848" | "5978386" | "5987011" | "5987033" | "6064734" | "6067291" | "6069896" | "6078789" | "6085098" | "6130602" | "6151628" | "6192257" | "6198948" | "6218958" | "6223029" | "6243581" | "6265788" | "6282183" | "6298443" | "6326926" | "6333973" | "6343276" | "6405027" | "6430408" | "6434537" | "6446127" | "6452910" | "6459882" | "6463078" | "6487180" | "6519460" | "6532366" | "6600428" | "6600734" | "6630925" | "6633759" | "6636489" | "6654616" | "6665549" | "6690929" | "6763012" | "6763247" | "6871063").PN. OR ("7039033").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 18:20

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